AMENDMENTS TO THE CLAIMS

1-7. (canceled)

8. (Currently Amended) An on-chip laboratory comprising a support, at least one fluidic network, at least one fluid inlet orifice connected to the fluidic network and at least one fluid outlet orifice connected to the fluidic network, a thin layer integral with the support and in which the fluidic network and an electronebulization nozzle are made, the electronebulization nozzle ~~overhanging relatively~~ comprising a channel wherein said elecctronebulization nozzle forms a cantilever end relative to the support such that the channel is parallel to the support ~~and comprising a channel~~, one end of which is connected to the fluidic network and the other end of which forms said fluid outlet orifice, the channel being fitted with electrical conduction means forming at least one electrode, wherein the thin layer is a layer fixed by direct sealing onto the support.

9. (Previously Presented) The on-chip laboratory according to claim 8, wherein as the support is in a semiconducting material, the electrical conduction means are a doped portion of said support.

10. (Previously Presented) The on-chip laboratory according to claim 8, wherein the support is in a conducting material.

11. (Previously Presented) he on-chip laboratory according to claim 8, comprising a cover hermetically covering the fluidic network, this cover being provided with a fluid access means at the fluid inlet orifice.

12. (Previously Presented) The on-chip laboratory according to claim 8, comprising a cover hermetically covering the fluidic network, this cover being provided with a fluid access means at the fluid inlet orifice and being provided with said electrical conduction means.

13. (Previously Presented) The on-chip laboratory according to claim 12, wherein the cover is in a conducting material.

14. (Currently Amended) The on-chip laboratory according to claim 12, wherein the cover is in a semiconducting material, the electrical conducting means comprising a doped portion of the cover ~~cap~~.